

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	20	(US-4607530-\$ or US-6594625-\$ or US-6006026-\$ or US-6684181-\$ or US-6327555-\$ or US-6285970-\$ or US-6154718-\$ or US-6154717-\$ or US-6148276-\$ or US-6144929-\$ or US-6120548-\$ or US-6041174-\$ or US-5999719-\$ or US-6581028-\$ or US-5557710-\$ or US-6242272-\$ or US-6505147-\$ or US-5889687-\$ or US-5930494-\$ or US-6080200-\$). did.	USPAT	OR	OFF	2005/07/21 17:18
S1	252	semiconductor with (fab fabricat\$4) with (simulat\$4 model\$4)	USPAT	OR	OFF	2005/07/20 13:11
S2	4	(fair adj model) or (fair adj diffusion adj model)	USPAT	OR	OFF	2005/07/20 13:11
S3	1	("6154717").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/20 13:24
S4	6	"10/989011" "10/780938" "10/668621" "09/891400" "09/781421" "09/519856"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/20 13:29
S5	1428	703/2.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/20 13:29
S6	146	S5 and (diffusion impurit\$3 impure)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/20 13:31
S7	191	("pile-up" (pile adj up)) same (diffusion diffus\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/20 13:32
S8	1	10/059176	US-PGPUB	OR	OFF	2005/07/20 16:01
S10	1	"6581028".pn.	USPAT	OR	OFF	2005/07/20 17:15
S11	245	reverse adj short adj channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/20 17:15
S12	21	("5930494" "5819073" "5557710" "5684723" "6195790" "5148379" "6360190" "6242272" "6006026" "6080200" "5828586" "5889687" "6185472" "5819073" "6041424" "4584662" "6182270" "6011914" "6144932" "6360190" "6154717" "6505147" "6144929").pn.	USPAT	OR	OFF	2005/07/21 16:42

S13	13	("5103415"   "5671395"   "5675522"   "5677846"   "5774696"   "5784302"   "5819073"   "5828586"   "5889680"   "5930494"   "5963732"   "6006026"   "6011914").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/21 11:01
S14	19	(US-4607530-\$ or US-6594625-\$ or US-6006026-\$ or US-6684181-\$ or US-6327555-\$ or US-6285970-\$ or US-6154718-\$ or US-6154717-\$ or US-6148276-\$ or US-6144929-\$ or US-6120548-\$ or US-6041174-\$ or US-5999719-\$ or US-6581028-\$ or US-5557710-\$ or US-6242272-\$ or US-6505147-\$ or US-5889687-\$ or US-5930494-\$).did.	USPAT	OR	OFF	2005/07/21 11:53
S15	1	S14 and (SiO)	USPAT	OR	OFF	2005/07/21 11:53
S16	9	S14 and layer	USPAT	OR	OFF	2005/07/21 12:05
S17	5	S14 and (source drain)	USPAT	OR	OFF	2005/07/21 12:10
S18	4	S17 and distance	USPAT	OR	OFF	2005/07/21 13:17
S19	1	"6080200".pn.	USPAT	OR	OFF	2005/07/21 13:11
S20	258	(impurity adj diffusion) same (source drain) same (distance length)	USPAT	OR	OFF	2005/07/21 13:23
S21	39	S20 and (simulat\$4 model\$4)	USPAT	OR	OFF	2005/07/21 13:18

**IEEE Xplore®**  
Release 2.1[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |  
**Welcome United States Patent and Trademark Office**[D Search Session History](#)[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)Edit an existing query or  
compose a new query in the  
Search Query Display.

Thu, 21 Jul 2005, 12:16:42 PM EST

Search Query Display

Select a search number (#)  
to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Recent Search Queries

#1 (impurity&lt;in&gt;metadata) &lt;and&gt; (source&lt;in&gt;metadata) &lt;or&gt;...

#2 (((impurity&lt;in&gt;metadata) &lt;and&gt; (source&lt;in&gt;metadata) &lt;or&gt;...

#3 (((((impurity&lt;in&gt;metadata) &lt;and&gt; (source&lt;in&gt;metadata) &lt;or&gt;...

Indexed by  
#inspec[Help](#) [Contact Us](#) [Privacy &](#)  
© Copyright 2005 IEEE -

## Search Results

Results for "transient enhanced diffusion<+meta>" <and> ("impurity<+meta>" )  
 Your search matched 25 of 1194402 documents.  
 A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

☒ e-mail

## \* Search Options

View Session History

New Search

## \* Key

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEEE Conference Proceeding

IEEE STD IEEE Standard

## Modify Search

☒ transient enhanced diffusion<+meta> <and> ("impurity<+meta>" )

☒
☐ Check to search only within this results set
Display Format: ☒ Citation ☐ Citation & Abstract

## Select Article Information

- ☐ 1. Suppression of  $V_{th}$  fluctuation by minimizing transient enhanced diffusion in quarter micron MOSFET  
 Ono, A.; Sakai, I.;  
 Electron Devices Meeting, 1996. International  
 8-11 Dec. 1996 Page(s):755 - 758  
 Digital Object Identifier 10.1109/EDM.1996.554090  
 AbstractPlus | Full Text: EDE(208 KB) IEEE CNF

- ☐ 2. A detailed physical model for ion implant induced damage in silicon  
 Tan, S.; Morris, M.F.; Morris, S.J.; Choudhry, B.; Geng Wang, Tash, A.F.; Si  
 Electron Devices, IEEE Transactions on  
 Volume 45, Issue 6, June 1998 Page(s):1228 - 1238  
 Digital Object Identifier 10.1109/16.678523  
 AbstractPlus | References | Full Text: EDE(308 KB) IEEE JNL

- ☐ 3. Systematic calibration for transient enhanced diffusion of indium and its 0.15- $\mu$ m logic devices  
 Jun-Ha Lee; Seung-Woo Lee; Jeong-Taek Kong; Young-Wing Kim;  
 VLSI and CAD, 1999. ICVC 99, 6th International Conference on  
 26-27 Oct. 1999 Page(s):53 - 56  
 Digital Object Identifier 10.1109/ICVC.1999.820820  
 AbstractPlus | Full Text: EDE(240 KB) IEEE CNF

- ☐ 4. Hydrogen in silicon: defect interactions and applications  
 Ashok, S.;  
 Solid-State and Integrated Circuit Technology, 1998. Proceedings, 1998 5th In  
 Conference on  
 21-23 Oct. 1998 Page(s):749 - 752  
 Digital Object Identifier 10.1109/CSICT.1998.786120  
 AbstractPlus | Full Text: EDE(212 KB) IEEE CNF

- ☐ 5. Modeling arsenic activation and diffusion during furnace and rapid therm  
 Vandenbussche, E.; Jansen, H.; Baccus, B.;  
 Electron Devices Meeting, 1995. International  
 10-13 Dec. 1995 Page(s):81 - 84  
 Digital Object Identifier 10.1109/EDM.1995.497187  
 AbstractPlus | Full Text: EDE(256 KB) IEEE CNF

http://ieeexplore.ieee.org/search/searchresult.jsp?query=&transient-enhanced+diffusion&s... 7/21/2005

- ☐ 6. Multi-zone model for the transient enhanced diffusion of ion implanted in silicon during rapid thermal annealing  
 Huang, T.H.; Kinoshita, H.; Kwong, D.L.;  
 VLSI Technology, Systems, and Applications, 1993. Proceedings of Technical  
 International Symposium on  
 12-14 May 1993 Page(s):315 - 319  
 Digital Object Identifier 10.1109/VTSA.1993.283670  
 AbstractPlus | Full Text: EDE(380 KB) IEEE CNF

- ☐ 7. Explanation of reverse short channel effect by defect gradients  
 Rattany, C.S.; Vuong, H.-H.; Esmaeili, S.A.; Giles, M.D.; Panto, M.N.; Klemens  
 Electron Devices Meeting, 1993. Technical Digest, International  
 5-8 Dec. 1993 Page(s):311 - 314  
 Digital Object Identifier 10.1109/EDM.1993.347345  
 AbstractPlus | Full Text: EDE(256 KB) IEEE CNF

- ☐ 8. An anomalous crossover in  $V_{th}$  roll-off for indium-doped nMOSFETs  
 Sun-Jay Chang; Chun-Yen Chang; Cuming Chen; Jih-Wen Chou; Tan-Sheng  
 Huang;  
 Electron Device Letters, IEEE  
 Volume 21, Issue 8, Sept. 2000 Page(s):457 - 459  
 Digital Object Identifier 10.1109/63.883110  
 AbstractPlus | References | Full Text: EDE(62 KB) IEEE JNL

- ☐ 9. CV doping profiling of boron out-diffusion using an abrupt and highly do  
 buried epilayer  
 Ortiz, C.J.; Naveer, L.K.; van Noort, W.D.; Scholes, T.L.M.; Shuboom, J.W.;  
 Microelectronic Test Structures, 2002. ICMITS 2002. Proceedings of the 2002 I  
 Conference on  
 8-11 April 2002 Page(s):83 - 86  
 AbstractPlus | Full Text: EDE(475 KB) IEEE CNF

- ☐ 10. Suppression of lateral transient enhanced dopant diffusion by nitrogen li  
 its application to fully depleted MOSFET/SiMOX  
 Nakashima, S.; Takahashi, M.; Nakayama, S.; Ohno, T.;  
 Ion Implantation Technology Proceedings, 1998 International Conference on  
 Volume 1, 22-26 June 1998 Page(s):122 - 125 vol.1  
 Digital Object Identifier 10.1109/IT.1998.812067  
 AbstractPlus | Full Text: EDE(332 KB) IEEE CNF

- ☐ 11. High performance 0.18  $\mu$ m nMOSFET by TED suppression  
 Hyun-Sik Kim; Jong-Hyon Ahn; Duk-Min Lee; So-Chul Lee; Kwang-Pyuk Su  
 VLSI and CAD, 1999. ICVC 99, 6th International Conference on  
 26-27 Oct. 1999 Page(s):140 - 142  
 Digital Object Identifier 10.1109/ICVC.1999.820851  
 AbstractPlus | Full Text: EDE(192 KB) IEEE CNF

- ☐ 12. A study of nonequilibrium diffusion modeling-applications to rapid therm  
 and advanced bipolar technologies  
 Baccus, B.; Wada, T.; Shigyo, N.; Norishima, M.; Nakajima, H.; Inou, K.; Iinuma  
 Electron Devices, IEEE Transactions on  
 Volume 39, Issue 3, March 1992 Page(s):348 - 361  
 Digital Object Identifier 10.1109/16.123481  
 AbstractPlus | Full Text: EDE(1380 KB) IEEE JNL

- ☐ 13. Effect of fluorine implantation dose on boron transient enhanced diffusio  
 thermal diffusion in Si/sub 1-x/Gesub y  
 Mubarek, H.A.W.E.; Kunnaratne, M.; Bonar, J.M.; Dillway, G.D.; Wang, Y.; H  
 Willoughby, A.F.; Ashburn, P.;

http://ieeexplore.ieee.org/search/searchresult.jsp?query=&transient-enhanced+diffusion&s... 7/21/2005

- Electron Devices, IEEE Transactions on  
Volume 52, Issue 4, Apr 2005 Page(s):518 - 526  
Digital Object Identifier 10.1109/IED.2005.844738  
AbstractPlus | References | Full Text: EDE(1208 KB) IEEE JNL
14. Grains-growth and clustering effects on boron diffusion in polysilicon during post-implantation annealing  
Abadi, S.; Mansour, F.;  
Microelectronics, 2004, ICM 2004 Proceedings. The 16th International Conference on  
6-8 Dec. 2004 Page(s):475 - 479  
Digital Object Identifier 10.1109/ICM.2004.1434702  
AbstractPlus | Full Text: EDE(298 KB) IEEE CNF
15. Monte Carlo simulation of ion implantation (3-dimensional) and defect implantation process  
Li, D.; Lin, L.; Wang, G.; Chen, Y.; Shrivastav, G.; Oak, S.; Tasch, A.F.; Baner, E.  
Electron Devices Meeting, 2001. IEDM Technical Digest. International  
2-5 Dec. 2001 Page(s):38.6.1 - 38.6.4  
Digital Object Identifier 10.1109/IEDM.2001.979647  
AbstractPlus | Full Text: EDE(320 KB) IEEE CNF
16. Modeling of arsenic transient enhanced diffusion and background boron low-energy As<sup>+</sup> implanted Si  
Ryongu Kim; Aoki, T.; Hirose, T.; Furuta, Y.; Hayashi, S.; Shano, T.; Taniguchi  
Electron Devices Meeting, 2000. IEDM Technical Digest. International  
10-13 Dec. 2000 Page(s):523 - 526  
Digital Object Identifier 10.1109/IEDM.2000.904370  
AbstractPlus | Full Text: EDE(300 KB) IEEE CNF
17. Novel aspects of the atomic transport of B implanted in silicon at energy  
Pothier, V.; Napoléon, E.; Péro, F.; Morlet, S.; Rimini, E.;  
Ion Implantation Technology, 2000. Conference on  
17-22 Sept. 2000 Page(s):163 - 168  
Digital Object Identifier 10.1109/2000.924115  
AbstractPlus | Full Text: EDE(344 KB) IEEE CNF
18. Modeling of boron deactivation/activation kinetics during ion implant and  
Chakravathi, S.; Durham, S.T.;  
Simulation of Semiconductor Processes and Devices, 2000. SISPAD 2000. 20  
Conference on  
6-8 Sept. 2000 Page(s):167 - 170  
Digital Object Identifier 10.1109/SISPAD.2000.871234  
AbstractPlus | Full Text: EDE(212 KB) IEEE CNF
19. Novel species implantation using Applied Materials 9500uR<sup>TM</sup> and xR LE  
Banks, P.; Dooson, M.; Kimbacher, B.; Allen, A.; Murrell, A.;  
Ion Implantation Technology Proceedings, 1998 International Conference on  
Volume 1, 22-26 June 1998 Page(s):358 - 361 vol.1  
Digital Object Identifier 10.1109/IT.1998.812127  
AbstractPlus | Full Text: EDE(232 KB) IEEE CNF
20. Evaluation of excess interstitial silicon amount using delta-doped boron  
by UHV-CVD  
Hiro, M.; Itozawa, T.; Hana, M.; Furukawa, A.;  
Simulation of Semiconductor Processes and Devices, 1999. SISPAD 99. 1991  
Conference on  
6-8 Sept. 1999 Page(s):83 - 86  
Digital Object Identifier 10.1109/SISPAD.1999.799260

- AbstractPlus | Full Text: EDE(248 KB) IEEE CNF
21. Boron diffusion in ultra low-energy (<1 keV/ion) deuterium (D<sup>0+</sup>)<sup>16</sup>  
Kusaba, T.; Shimada, N.; Aoki, T.; Matsuo, J.; Yamada, I.; Goto, K.; Sugii, T.;  
Ion Implantation Technology Proceedings, 1998 International Conference on  
Volume 2, 22-26 June 1998 Page(s):1256 - 1261 vol.2  
Digital Object Identifier 10.1109/IT.1998.813920  
AbstractPlus | Full Text: EDE(376 KB) IEEE CNF
22. Fluorine effect on boron diffusion: chemical or damage?  
Liu, J.; Downey, D.F.; Jones, K.S.; Ishida, E.;  
Ion Implantation Technology Proceedings, 1998 International Conference on  
Volume 2, 22-26 June 1998 Page(s):1551 - 1554 vol.2  
Digital Object Identifier 10.1109/IT.1998.813535  
AbstractPlus | Full Text: EDE(284 KB) IEEE CNF
23. A novel unified transient enhanced diffusion model on the basis of RSF  
database  
Sato, H.; Tsuneno, K.; Masuda, H.;  
Microelectronic Test Structures, 1998. ICMITS 1998. Proceedings of the 1998  
Conference on  
23-26 March 1998 Page(s):183 - 186  
Digital Object Identifier 10.1109/ICMITS.1998.689067  
AbstractPlus | Full Text: EDE(216 KB) IEEE CNF
24. A physics-based modeling approach for the simulation of anomalous boron  
clustering behaviors  
Lluch, A.D.; Enríes, S.X.; Jones, K.S.; Law, M.E.; Giles, M.D.;  
Electron Devices Meeting, 1997. Technical Digest. International  
7-10 Dec. 1997 Page(s):493 - 496  
Digital Object Identifier 10.1109/IEDM.1997.650431  
AbstractPlus | Full Text: EDE(308 KB) IEEE CNF
25. Ion implantation and transient enhanced diffusion  
Pothier, V.M.; Eaglesham, D.J.; Giner, G.H.; Goossman, H.-J.; Joritz, M.; Rapp, P.A.;  
Electron Devices Meeting, 1995. International  
10-13 Dec. 1995 Page(s):77 - 80  
Digital Object Identifier 10.1109/IEDM.1995.497188  
AbstractPlus | Full Text: EDE(352 KB) IEEE CNF

# IEEE Xplore®

Full Text (2)

Home | Login | Logout | Access Information | Alerts |  
Welcome United States Patent and Trademark Office

## Search Results

Results for "two-dimensional<meta>data"<and> (simulation<meta>data) "<and> (diffusion)"  
Your search matched 178 of 1194402 documents.  
A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

☒ e-mail

## Search Options

### View Session History

### New Search

### Other Resources (Available For Purchase)

### Top Book Results

### The Transmission Line Modeling

### Method

### by Christopoulos, C.;

### View All 1 Results(s)

### \* Key

IEEE JNL IEEE Journal or  
Magazine  
IEEE JNL IEEE Journal or Magazine  
IEEE CNF IEEE Conference  
Proceeding  
IEEE CNF IEEE Conference  
Proceeding  
IEEE STD IEEE Standard

### Modify Search

[two-dimensional<meta>data] "<and> (simulation<meta>data) "<and> (diffusion)"

☐ Check to search only within this results set

Display Format: ☒ Citation ☐ Citation & Abstract

Select Article Information

View: 1-25 | 25-5

1. Two-dimensional simulation for resonant tunneling transistor  
Tomizawa, M.; Tanigawa, H.; Yoshii, A.;  
Electron Devices, IEEE Transactions on  
Volume 41, Issue 6, June 1994 Page(s):883 - 887  
Digital Object Identifier 10.1109/16.283297  
AbstractPlus | Full Text: PDF(348 KB) IEEE JNL

2. Studies of solid liner stability in electromagnetic implosions  
Atchison, W.L.; Frahl, R.J.; Reinovsky, R.E.; Morgan, D.;  
Plasma Science, 1989, 25th Anniversary, IEEE Conference Record - Abstract:  
International on  
1-4 June 1988 Page(s):246  
Digital Object Identifier 10.1109/PLASMA.1988.677792  
AbstractPlus | Full Text: PDF(98 KB) IEEE CNF

3. Two dimensional simulation of transient enhanced boron out-diffusion in  
SiGe HBT due to an extrinsic base implant  
Hashin, M.D.R.; Lever, R.F.; Ashburn, P.;  
Bipolar/BICMOS Circuits and Technology Meeting, 1997. Proceedings of the  
28-30 Sept. 1997 Page(s):96 - 99  
Digital Object Identifier 10.1109/BIPOL.1997.647365  
AbstractPlus | Full Text: PDF(348 KB) IEEE CNF

4. Effects of wall ablation on the internal structure and dynamics of a ring  
Fries, M.H.;  
Plasma Science, 1989, IEEE Conference Record - Abstracts, 1989 IEEE Inter  
Conference on  
22-24 May 1989 Page(s):37 - 38  
Digital Object Identifier 10.1109/PLASMA.1989.165962  
AbstractPlus | Full Text: PDF(152 KB) IEEE CNF

5. Two dimensional numerical simulation of submicron GaAs MESFETs  
Sang Hee Son, Kae Dal Kweck,  
Electronic Manufacturing Technology Symposium, 1989, Proceedings, Japan I  
Sixth IEEE/CHMT International  
26-28 April 1989 Page(s):234 - 237  
Digital Object Identifier 10.1109/EMTS.1989.78145  
AbstractPlus | Full Text: PDF(328 KB) IEEE CNF

http://ieeexplore.ieee.org/search/searchresult.jsp?queryl=two-dimensional&scope=meta... 7/21/2005

6. Two-Dimensional Numerical Simulation of Impurity Redistribution in VLS  
Tietel, R.;  
Solid-State Circuits, IEEE Journal of  
Volume 15, Issue 4, Aug 1980 Page(s):544 - 548  
AbstractPlus | Full Text: PDF(632 KB) IEEE JNL

7. Two-dimensional process simulation using verified phenomenological m  
Fair, R.B.; Gardner, C.L.; Johnson, M.J.; Kenel, S.W.; Rose, D.J.; Rose, J.E.;  
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transac  
Volume 10, Issue 5, May 1991 Page(s):943 - 951  
Digital Object Identifier 10.1109/43.78501  
AbstractPlus | Full Text: PDF(688 KB) IEEE JNL

8. An improved two-dimensional simulation model (MEGA) for GaAs MESFE  
LSI design  
Hirose, M.; Yoshida, J.; Toyoda, N.;  
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transac  
Volume 7, Issue 2, Feb. 1988 Page(s):225 - 230  
Digital Object Identifier 10.1109/43.3152  
AbstractPlus | Full Text: PDF(664 KB) IEEE JNL

9. Two-dimensional simulation of laser diodes in the steady state  
Kapon, K.B.;  
Quantum Electronics, IEEE Journal of  
Volume 24, Issue 4, April 1988 Page(s):641 - 651  
Digital Object Identifier 10.1109/3.173  
AbstractPlus | Full Text: PDF(672 KB) IEEE JNL

10. Two-dimensional numerical simulation of Fermi-level pinning phenome  
centers in AlGaAs/GaAs HEMTs  
Mizuta, H.; Yamaguchi, K.; Yamane, M.; Tanoue, T.; Takahashi, S.;  
Electron Devices, IEEE Transactions on  
Volume 36, Issue 10, Oct. 1989 Page(s):2307 - 2314  
Digital Object Identifier 10.1109/16.40915  
AbstractPlus | Full Text: PDF(664 KB) IEEE JNL

11. Numerical simulation and comparison of Si BJTs and Si<sub>3</sub>N<sub>4</sub>/Ge<sub>2</sub> HBTs  
Pechinovic, B.; Kay, L.E.; Tang, T.-W.; Navon, D.H.;  
Electron Devices, IEEE Transactions on  
Volume 36, Issue 10, Oct. 1989 Page(s):2129 - 2137  
Digital Object Identifier 10.1109/16.40892  
AbstractPlus | Full Text: PDF(760 KB) IEEE JNL

12. Simulation of a GaAs MESFET including velocity overshoot: an extended  
formalism  
Kizyail, I.C.; Araki, M.;  
Electron Device Letters, IEEE  
Volume 10, Issue 9, Sept. 1989 Page(s):405 - 408  
Digital Object Identifier 10.1109/55.34724  
AbstractPlus | Full Text: PDF(664 KB) IEEE JNL

13. Trends in diffusion-length measurements in the original and dielectric  
silicon as a function of processing  
Bink, D.E.; Chung, B.C.;  
Electron Devices, IEEE Transactions on  
Volume 36, Issue 4, Part 2, April 1989 Page(s):750 - 760

http://ieeexplore.ieee.org/search/searchresult.jsp?queryl=two-dimensional&scope=meta... 7/21/2005

- Digital Object Identifier 10.1109/16.22481  
AbstractPlus | Full Text: PDF(676 KB) IEEE JNL
14. A new approach to the simulation of the coupled point defects and impurities. E. O'Brien, R.R. Morehead, F.F. Loefer, R.F. Peng, J.P. Shrivastava, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 8, Issue 10, Oct. 1990 Page(s):1113 - 1122  
Digital Object Identifier 10.1109/43.62735  
AbstractPlus | Full Text: PDF(629 KB) IEEE JNL
15. The new two-dimensional electron gas base HBT (2DEG-HBT): two-dimensional numerical simulation  
Rabinzohn, P.D.; Usagawa, T.; Mizuta, H.; Yamaguchi, K.;  
Electron Devices, IEEE Transactions on  
Volume 41, Issue 5, May 1994 Page(s):751 - 760  
Digital Object Identifier 10.1109/16.285028  
AbstractPlus | Full Text: PDF(656 KB) IEEE JNL
16. Overgrown silicon PBTs: calculations and measurements  
Schuppen, A.; Manzo, M.; Lunz, H.;  
Electron Devices, IEEE Transactions on  
Volume 41, Issue 5, May 1994 Page(s):751 - 760  
Digital Object Identifier 10.1109/16.285028  
AbstractPlus | Full Text: PDF(656 KB) IEEE JNL
17. An advanced model for dopant diffusion in polysilicon  
Puchner, H.; Seibener, S.;  
Electron Devices, IEEE Transactions on  
Volume 42, Issue 10, Oct 1995 Page(s):1750 - 1755  
Digital Object Identifier 10.1109/16.464423  
AbstractPlus | Full Text: PDF(469 KB) IEEE JNL
18. TRASH: compact and efficient two-dimensional transient simulator for a semiconductor devices  
Obrecht, M.S.; Elmasy, M.I.; Heasell, E.L.;  
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 14, Issue 4, April 1995 Page(s):447 - 458  
Digital Object Identifier 10.1109/43.372371  
AbstractPlus | Full Text: PDF(680 KB) IEEE JNL
19. Two-dimensional modeling of the enhanced diffusion in thin base n-p-n transistors after lateral ion implantations  
Denorme, S.; Mathiot, D.; Dolfus, P.; Meula, M.;  
Electron Devices, IEEE Transactions on  
Volume 42, Issue 3, March 1995 Page(s):523 - 527  
Digital Object Identifier 10.1109/16.368049  
AbstractPlus | Full Text: PDF(658 KB) IEEE JNL
20. Analysis and optimization of InGaAsP electro-absorption modulators  
Meglio, D.; Lugli, P.; Sabella, R.; Sahlen, O.;  
Quantum Electronics, IEEE Journal of  
Volume 31, Issue 2, Feb. 1995 Page(s):261 - 268  
Digital Object Identifier 10.1109/3.348054  
AbstractPlus | Full Text: PDF(658 KB) IEEE JNL
21. Quasi-three-dimensional modeling of sub-micron LOCOS structures  
Park, H.; Smeys, P.; Sahul, Z.H.; Saraswat, K.C.; Dutton, R.W.; Hojung Hwang Semiconductor Manufacturing, IEEE Transactions on

- Volume 8, Issue 4, Nov. 1995 Page(s):390 - 401  
Digital Object Identifier 10.1109/66.475180  
AbstractPlus | Full Text: PDF(1012 KB) IEEE JNL
22. A two-dimensional multispecies fluid model of the plasma in an AC plasma  
Campbell, R.B.; Veenasingam, R.; McGrath, R.T.;  
Plasma Science, IEEE Transactions on  
Volume 23, Issue 4, Aug 1995 Page(s):698 - 708  
Digital Object Identifier 10.1109/27.467992  
AbstractPlus | Full Text: PDF(1076 KB) IEEE JNL
23. Grid adaption near moving boundaries in two dimensions for IC process  
Lew, M.E.;  
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 14, Issue 10, Oct. 1995 Page(s):1223 - 1230  
Digital Object Identifier 10.1109/43.468338  
AbstractPlus | Full Text: PDF(680 KB) IEEE JNL
24. Discretization of flux densities in device simulations using optimum anti  
Ting-Yuei Tong; Mei-Kuei Jeong;  
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 14, Issue 11, Nov. 1995 Page(s):1309 - 1315  
Digital Object Identifier 10.1109/43.468658  
AbstractPlus | Full Text: PDF(488 KB) IEEE JNL
25. DIBL considerations of extended drain structure for 0.1  $\mu$ m MOSFETs  
Jiunn-Yann Tsai; Jia Sun; Yea, K.F.; Osburn, C.M.;  
Electron Device Letters, IEEE  
Volume 17, Issue 7, July 1996 Page(s):331 - 333  
Digital Object Identifier 10.1109/55.506358  
AbstractPlus | Full Text: PDF(292 KB) IEEE JNL

View: 1-25 | 26-5

Help Contact Us Privacy &  
© Copyright 2005 IEEE -

Indexed by  
#inspect

## Search Results

Results for "Hayashi H.<in>au"  
 Your search matched 206 of 1194403 documents.  
 A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

[BROWSE](#)   [SEARCH](#)   [IEEE XPLORE GUIDE](#)   [E-mail](#)

## Search Options

[View Session History](#)  
[New Search](#)

## Key

IEEE JNL IEEE Journal or Magazine  
 IEEE JNL IEEE Journal or Magazine  
 IEEE CNF IEEE Conference Proceeding  
 IEEE CNF IEEE Conference Proceeding  
 IEEE STD IEEE Standard

## Modify Search

 Hayashi H.<in>au


☐ Check to search only within this results set  
 Display Format: ☒ Citation ☐ Citation & Abstract

Select Article Information

View: 1-25 | 26-5

1. On identification of certain nonlinear systems (Corresp.)  
 Hayashi, H.;  
 Information Theory, IEEE Transactions on  
 Volume 18, Issue 6, Nov 1972 Page(s):809 - 811  
[AbstractPlus](#) | [Full Text](#): EDE(392 KB) IEEE JNL
2. Temperature dependence of threshold current in GaAlAs double-hetero-  
 with emission wavelengths of 0.74-0.8  $\mu$ m  
 Hayakawa, T.; Yamamoto, S.; Hayashi, H.; Sakurai, T.; Hijioka, T.;  
 Quantum Electronics, IEEE Journal of  
 Volume 17, Issue 11, Nov 1981 Page(s):2205 - 2210  
[AbstractPlus](#) | [Full Text](#): EDE(1920 KB) IEEE JNL
3. Mode characteristics of large-optical-cavity V-channelled substrate inner-  
 laser  
 Hayakawa, T.; Suyama, T.; Hayashi, H.; Yamamoto, S.; Yano, S.; Hijioka, T.;  
 Quantum Electronics, IEEE Journal of  
 Volume 19, Issue 10, Oct 1983 Page(s):1530 - 1536  
[AbstractPlus](#) | [Full Text](#): EDE(856 KB) IEEE JNL
4. 680 nm CW operation at room temperature by AlGaAs double heterojunc-  
 tion  
 Yamamoto, S.; Hayashi, H.; Hayakawa, T.; Miyajuchi, N.; Yano, S.; Hijioka, T.;  
 Quantum Electronics, IEEE Journal of  
 Volume 19, Issue 8, Jun 1983 Page(s):1009 - 1015  
[AbstractPlus](#) | [Full Text](#): EDE(908 KB) IEEE JNL
5. Programmable optical guided-wave device using Bi<sub>2</sub>SiO<sub>20</sub> crystals  
 Hayashi, H.; Fujii, Y.;  
 Quantum Electronics, IEEE Journal of  
 Volume 14, Issue 11, Nov 1978 Page(s):848 - 854  
[AbstractPlus](#) | [Full Text](#): EDE(744 KB) IEEE JNL
6. High picture quality TV receiver with IDTV system  
 Sumida, K.; Sato, H.; Fujita, S.; Kawaseta, E.; Nishida, M.; Okada, Y.; Hayash-  
 K.; Senju, Y.; Koguchi, T.;  
 Consumer Electronics, IEEE Transactions on  
 Volume 34, Issue 4, Nov. 1988 Page(s):856 - 865  
 Digital Object Identifier 10.1109/30.8895

[http://ieeexplore.ieee.org/search/searchresult.jsp?d=sp=cit&queryText=\(Hayashi%20H.<in>...](http://ieeexplore.ieee.org/search/searchresult.jsp?d=sp=cit&queryText=(Hayashi%20H.<in>...) 7/21/2005

7. Substrate effects on the magnetic characteristics of sputtered media  
 Onishi, Y.; Matsumura, H.; Hase, T.; Hayashi, H.; Sato, M.; Katsumoto, K.;  
 Magnetics, IEEE Transactions on  
 Volume 25, Issue 5, Sep 1988 Page(s):3887 - 3889  
 Digital Object Identifier 10.1109/20.42468  
[AbstractPlus](#) | [Full Text](#): EDE(488 KB) IEEE JNL
8. Effect of polar groups on the electrical breakdown strength of plasma-po-  
 Nishino, T.; Fukuyama, M.; Hayashi, H.; Ishii, K.; Ono, Y.;  
 Electrical Insulation, IEEE Transactions on (see also Dielectrics and Electrical  
 Transactions on)  
 Volume 25, Issue 6, Dec. 1990 Page(s):1085 - 1091  
 Digital Object Identifier 10.1109/14.84493  
[AbstractPlus](#) | [Full Text](#): EDE(392 KB) IEEE JNL
9. Low-noise current optoelectronic integrated receiver with internal equal-  
 per-second long-wavelength optical communications  
 Yano, H.; Aga, K.; Kamel, H.; Saeki, G.; Hayashi, H.;  
 Lightwave Technology, Journal of  
 Volume 8, Issue 9, Sep 1990 Page(s):1328 - 1333  
 Digital Object Identifier 10.1109/50.59161  
[AbstractPlus](#) | [Full Text](#): EDE(532 KB) IEEE JNL
10. Mass production back-grinding/water-thinning technology for GaAs devi-  
 Nishijuchi, M.; Goto, N.; Sakiguchi, T.; Nishizawa, H.; Hayashi, H.; Ono, K.;  
 Components, Hybrids, and Manufacturing Technology, IEEE Transactions on  
 Trans. on Components, Packaging, and Manufacturing Technology, Part A, B,  
 Volume 13, Issue 3, Sept. 1990 Page(s):528 - 533  
 Digital Object Identifier 10.1109/33.58855  
[AbstractPlus](#) | [Full Text](#): EDE(524 KB) IEEE JNL
11. A novel self-aligned gate process for half-micrometer gate GaAs ICs usin-  
 Shikida, S.; Tsuchimoto, J.; Hayashi, H.;  
 Electron Devices, IEEE Transactions on  
 Volume 37, Issue 8, Aug. 1990 Page(s):1800 - 1803  
 Digital Object Identifier 10.1109/16.57129  
[AbstractPlus](#) | [Full Text](#): EDE(460 KB) IEEE JNL
12. Radiation tolerant GaAs MESFET with a highly-doped thin active layer gr-  
 Nishijuchi, M.; Hashinaga, T.; Nishizawa, H.; Hayashi, H.; Okazaki, N.; Kikaga-  
 Nuclear Science, IEEE Transactions on  
 Volume 37, Issue 6, Part 2, Dec. 1990 Page(s):2071 - 2075  
 Digital Object Identifier 10.1109/23.101231  
[AbstractPlus](#) | [Full Text](#): EDE(384 KB) IEEE JNL
13. A highly efficient adaptive mesh approach to semiconductor device sim-  
 application to impact ionization analysis  
 Dang, R.; Matsushita, K.; Hayashi, H.;  
 Magnetics, IEEE Transactions on  
 Volume 27, Issue 5, Sep 1991 Page(s):4162 - 4165  
 Digital Object Identifier 10.1109/20.105018  
[AbstractPlus](#) | [Full Text](#): EDE(300 KB) IEEE JNL
14. X-band MMIC amplifier with pulse-doped GaAs MESFETs  
 Nishijuchi, M.; Nakajima, S.; Ochia, K.; Sakiguchi, T.; Kuwata, N.; Matsuzaki, K.-I.;  
 Microwave Theory and Techniques, IEEE Transactions on

[http://ieeexplore.ieee.org/search/searchresult.jsp?d=sp=cit&queryText=\(Hayashi%20H.<in>...](http://ieeexplore.ieee.org/search/searchresult.jsp?d=sp=cit&queryText=(Hayashi%20H.<in>...) 7/21/2005



- Volume 39, Issue 12, Dec. 1991 Page(s):1987 - 1994  
Digital Object Identifier 10.1109/22.106537  
AbstractPlus | Full Text: PDE(792 KB) IEEE JNL
15. A high-speed eight-channel optoelectronic integrated receiver array com-  
p-4-n PD's and AlInGa/GaInAs HEMTs  
Yano, H.; Murata, M.; Sasaki, G.; Hayashi, H.;  
Uchiyama, T. *Journal of*  
Volume 10, Issue 7, July 1992 Page(s):333 - 337  
Digital Object Identifier 10.1109/50.144916  
AbstractPlus | Full Text: PDE(460 KB) IEEE JNL
16. A multichip packaged GaAs 16x16 parallel multiplier  
Sakaguchi, T.; Sawada, S.; Hirose, T.; Nishiguchi, M.; Shiga, N.; Hayashi, H.;  
Components, Hybrids, and Manufacturing Technology, IEEE Transactions on  
Trans. on Components, Packaging, and Manufacturing Technology, Part A, B,  
Volume 15, Issue 4, Aug. 1992 Page(s):444 - 450  
Digital Object Identifier 10.1109/93.159872  
AbstractPlus | Full Text: PDE(672 KB) IEEE JNL
17. An ultra-high-speed optoelectronic integrated receiver for fiber-optic com-  
Yano, H.; Sasaki, G.; Murata, M.; Hayashi, H.;  
Electron Devices, IEEE Transactions on  
Volume 39, Issue 10, Oct. 1992 Page(s):2254 - 2259  
Digital Object Identifier 10.1109/16.158796  
AbstractPlus | Full Text: PDE(652 KB) IEEE JNL
18. MMIC family for DBS down-converter with pulse-doped GaAs MESFETs  
Shiga, N.; Sakaguchi, T.; Nakajima, S.; Odohe, K.; Kuwata, N.; Matsuzaki, K.; I-  
Solid-State Circuits, IEEE Journal of  
Volume 27, Issue 10, Oct. 1992 Page(s):1413 - 1420  
Digital Object Identifier 10.1109/4.156445  
AbstractPlus | Full Text: PDE(1016 KB) IEEE JNL
19. Low-noise characteristics of pulse-doped GaAs MESFETs with planar so-  
Nakajima, S.; Odohe, K.; Shiga, N.; Kuwata, N.; Matsuzaki, K.; Sakaguchi, T.; I-  
Electron Devices, IEEE Transactions on  
Volume 39, Issue 4, April 1992 Page(s):771 - 776  
Digital Object Identifier 10.1109/16.127464  
AbstractPlus | Full Text: PDE(652 KB) IEEE JNL
20. Intelligent manufacturing  
Hayashi, H.;  
Spectrum, IEEE  
Volume 30, Issue 8, Sept. 1993 Page(s):82 - 84  
Digital Object Identifier 10.1109/6.275168  
AbstractPlus | Full Text: PDE(424 KB) IEEE JNL
21. A non-isothermal device simulator for MOSFET analysis  
Hayashi, H.; Dang, R.;  
Magnetics, IEEE Transactions on  
Volume 29, Issue 2, Mar. 1993 Page(s):2047 - 2050  
Digital Object Identifier 10.1109/20.250813  
AbstractPlus | Full Text: PDE(312 KB) IEEE JNL
22. Nondestructive readout mode static induction transistor (SIT) photo sens-  
Nakamura, J.; Gomi, Y.; Uchi, M.; Hayashi, H.;  
Electron Devices, IEEE Transactions on

[http://ieeexplore.ieee.org/search/searchresult.jsp?d=sp=ci&queryText=\(hayashi%20h.<in>...](http://ieeexplore.ieee.org/search/searchresult.jsp?d=sp=ci&queryText=(hayashi%20h.<in>...) 7/21/2005

- Volume 40, Issue 2, Feb. 1993 Page(s):334 - 341  
Digital Object Identifier 10.1109/16.182510  
AbstractPlus | Full Text: PDE(712 KB) IEEE JNL
23. Strain-induced effects on the performance of AlGaInP visible lasers  
Hashimoto, J.; Katsuyama, T.; Yoshida, I.; Hayashi, H.;  
Quantum Electronics, IEEE Journal of  
Volume 29, Issue 6, June 1993 Page(s):1863 - 1868  
Digital Object Identifier 10.1109/93.234445  
AbstractPlus | Full Text: PDE(640 KB) IEEE JNL
24. Characterization of double pulse-doped channel GaAs MESFETs  
Nakajima, S.; Kuwata, N.; Shiga, N.; Odohe, K.; Matsuzaki, K.; Sakaguchi, T.; I-  
Electron Device Letters, IEEE  
Volume 14, Issue 3, March 1993 Page(s):146 - 148  
Digital Object Identifier 10.1109/55.215139  
AbstractPlus | Full Text: PDE(204 KB) IEEE JNL
25. Present status of design and manufacture of the superconducting magn-  
Helical Device  
Saitow, T.; Yamamoto, J.; Takahata, K.; Imagawa, S.; Tamura, H.; Yanoji, N.;  
Nishimura, A.; Satoh, S.; Yamazaki, K.; Kaneko, H.; Yonezu, H.; Hayashi, H.;  
Matsujima, O.;  
Applied Superconductivity, IEEE Transactions on  
Volume 3, Issue 1, Part 4, Mar. 1993 Page(s):365 - 368  
Digital Object Identifier 10.1109/77.233469  
AbstractPlus | Full Text: PDE(288 KB) IEEE JNL

View: 1-25 | 285

Indexed by  
inspec.

Help Contact Us Privacy &  
© Copyright 2005 IEEE -

[http://ieeexplore.ieee.org/search/searchresult.jsp?d=sp=ci&queryText=\(hayashi%20h.<in>...](http://ieeexplore.ieee.org/search/searchresult.jsp?d=sp=ci&queryText=(hayashi%20h.<in>...) 7/21/2005

Google

Web Images Groups News Etc Google Local more »  
[impurity diffusion simulation] [Search] [Advanced Search] [Preferences]

Web Results 1 - 10 of about 67,000 for impurity diffusion simulation. (0.28 seconds)

## Scholarly articles for impurity diffusion simulation

Diffusion in strained Si(Ge) - by Cowern - 40 citations  
The efficient simulation of coupled point defect and ... - by Kump - 6 citations  
Diffusion of boron in silicon during post-implantation ... - by Solmi - 14 citations

## PDF A DIAL-AN-OPERATOR APPROACH TO SIMULATION OF IMPURITY DIFFUSION IN ...

File Format: PDF/Adobe Acrobat - View as HTML  
A DIAL-AN-OPERATOR APPROACH TO SIMULATION OF IMPURITY DIFFUSION IN SEMICONDUCTORS  
... The impurity diffusion equations were written in a common form. ...  
www.tcd.stanford.edu/tcd/pubs/theses/yergeau.pdf - Similar pages

## Alamode: A Layered Model Development Environment for simulation of ...

Alamode: A Layered Model Development Environment for simulation of impurity diffusion in semiconductors.  
www.tcd.stanford.edu/tcd/programs/alamode-97.08.19/alamode.html - 11k -  
Cached - Similar pages

## PDF Simulation of Impurity Diffusion in a Strained Nanowire Using Off ...

File Format: PDF/Adobe Acrobat - View as HTML  
Simulation of Impurity Diffusion in a Strained Nanowire Using ... To simulate impurity diffusion in strained nanowires, we first uniformly stretch or com- ...  
www.math.utk.edu/~schulze/paper16.pdf - Similar pages

## Silvaco - Products - SSUPREM4

Hierarchy of impurity diffusion models accurately predict dopant behavior ...  
Advanced Diffusion Simulation. Successful use of low thermal budget processes ...  
www.silvaco.com/products/vw/lathe/na/ss4/ss4\_br.html - 33k - Cached - Similar pages

## PDF SSUPREM4

File Format: PDF/Adobe Acrobat - View as HTML  
Hierarchy of impurity diffusion models accurately predict dopant ... Advanced Diffusion Simulation. Low-Temperature Transient Enhanced Diffusion ...  
www.silvaco.com/products/vw/lathe/na/ss4/ssuprem4\_hires.pdf - Similar pages

## Monte Carlo simulation of impurity diffusion in thin-film ...

Title: Monte Carlo simulation of impurity diffusion in thin-film diffusion barriers  
Authors: Lavine, JP Journal: Journal of Applied Physics, Volume 59, ...

http://www.google.com/search?hl=en&q=impurity+diffusion+simulation

7/21/2005

adsabs.harvard.edu/abs/1986JAP....59.1986L - Similar pages

## Taurus Process Atomistic - Data sheet

Taurus Process Atomistic provides fast and accurate diffusion simulation ...  
With each technology node, the number of impurity atoms per transistor is ...  
www.synopsys.com/products/rmxdsignal/taurus/tauruspro\_atomi\_ds.html - 13k -  
Cached - Similar pages

## PDF Undergraduate Admissions &amp; College of Engineering

File Format: Microsoft Powerpoint 97 - View as HTML  
Diffusion Simulation. Oxidation Simulation. Ion Implant Simulation ... Simulated impurities can be implanted, activated, and diffused ...  
www.ece.gatech.edu/research/labs/vc/lectures/Lecture9.ppt - Similar pages

## The Efficient Simulation of Coupled Point Defect and Impurity ...

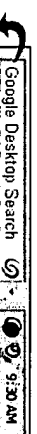
The Efficient Simulation of Coupled Point Defect and Impurity Diffusion by an Adaptive Mulligrnd Method D. Pantic, S. Milajkovic, S. Mitrovic and N. ...  
htec.ewi.tudelft.nl/scripts/detail.asp?objID=2639 - 22k - Cached - Similar pages

## PDF Self-diffusion and impurity diffusion of fcc metals using the five ...

File Format: PDF/Adobe Acrobat  
Self-diffusion and impurity diffusion of fcc metals using the ... Keywords: computer simulation; diffusion; metals; Materials; Ag; Au; Cu; J. Mater. ...  
www.mrs.org/publications/jmr/jmr/1989/janteb/P00102.PDF - Similar pages

GOOOOOOOOOOGLe

Result Page: 1 2 3 4 5 6 7 8 9 10 Next



Free! Instantly find your email, files, media and web history. Download now.

[impurity diffusion simulation] [Search]

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2005 Google

http://www.google.com/search?hl=en&q=impurity+diffusion+simulation

7/21/2005

## Search Results

BROWSE SEARCH IEEE XPLORE GUIDE

Results for "Impurity diffusion<n>metaData" <and> ( model<n>metaData ) <and> ( simu..."

Your search matched 15 of 1184402 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.



## Search Options

[View Session History](#)
[New Search](#)

## Key

IEEE JNL

IEEE Journal or Magazine

IEEE JNL

IEEE Journal or Magazine

IEEE CNF

IEEE Conference Proceeding

IEEE CNF

IEEE Conference Proceeding

IEEE STD

IEEE Standard

## Modify Search

☒ Impurity diffusion<n>metaData ) <and> ( model<n>metaData ) <and> ( simulation

☐ Check to search only within this results set
Display Format: ☒ Citation ☐ Citation & Abstract

Select Article Information

1. A new approach to the simulation of the coupled point defects and impurity diffusion in silicon. Rontis, E.; O'Brien, R.R.; Morehead, F.F.; Lever, R.J.; Peng, J.P.; Srinivasan, C. Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 8, Issue 10, Oct. 1990 Page(s):1113 - 1122  
Digital Object Identifier 10.1109/43.62735  
AbstractPlus | Full Text: EDE(628 KB) IEEE JNL

2. A general numerical procedure for multilayer multistep IC process simulation. Mostafaei, M.K.; Hui Zhang. Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 13, Issue 11, Nov. 1994 Page(s):1379 - 1390  
Digital Object Identifier 10.1109/43.329286  
AbstractPlus | Full Text: EDE(1184 KB) IEEE JNL

3. Experimental extraction of point defects parameters needed for 2-D process using reverse modeling. Shau, E.N.; Shez, R.; Komem, Y.; Electronics, Circuits and Systems, 2004. ICECS 2004. Proceedings of the 2004 International Conference on 13-15 Dec. 2004 Page(s):362 - 364  
Digital Object Identifier 10.1109/ICECS.2004.1396933  
AbstractPlus | Full Text: EDE(452 KB) IEEE CNF

4. Numerical simulation of the gas immersion laser doping (GILD) process. Landi, E.; Carey, P.G.; Signon, T.W.; Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 7, Issue 2, Feb. 1988 Page(s):205 - 214  
Digital Object Identifier 10.1109/43.31350  
AbstractPlus | Full Text: EDE(936 KB) IEEE JNL

5. The efficient simulation of coupled point defect and impurity diffusion. Kump, M.R.; Dutton, R.W.; Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 7, Issue 2, Feb. 1988 Page(s):191 - 204  
Digital Object Identifier 10.1109/43.31349  
AbstractPlus | Full Text: EDE(1172 KB) IEEE JNL

6. Process modeling and simulation: boundary conditions for point defect

<http://ieeexplore.ieee.org/search/searchresult.jsp?query1=impurity+diffusion&scope1=met...> 7/21/2005

diffusion model. Taniguchi, K.; Shiba, Y.; Hamaguchi, C.; Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 8, Issue 11, Nov. 1990 Page(s):1177 - 1183  
Digital Object Identifier 10.1109/43.62754  
AbstractPlus | Full Text: EDE(644 KB) IEEE JNL

7. Sources and transport mechanisms of gaseous impurities in vertical thin film transistors. Verma, N.K.; Co Ma, Sheng, E.; Shadman, F.; Semiconductor Manufacturing, IEEE Transactions on Volume 8, Issue 3, Aug. 1996 Page(s):312 - 319  
Digital Object Identifier 10.1109/66.558104  
AbstractPlus | References | Full Text: EDE(736 KB) IEEE JNL

8. Monte Carlo impurity diffusion simulation considering charged species in budget sub-50 nm CMOS process modeling. Hano, M.; Ikezawa, T.; Takeuchi, K.; Gilmer, G.H.; Electron Devices Meeting, 2001. IEDM Technical Digest, International 2-5 Dec. 2001 Page(s):38.4.1 - 38.4.4  
Digital Object Identifier 10.1109/IEDM.2001.979845  
AbstractPlus | Full Text: EDE(290 KB) IEEE CNF

9. New models for the simulation of polysilicon impurity diffusion sources for process conditions. Kamohara, S.; Kobayashi, T.; Sugaya, M.; Yamamoto, S.; Bipolar/BiCMOS Circuits and Technology Meeting, 1992. Proceedings of the 7-8 Oct. 1992 Page(s):126 - 129  
Digital Object Identifier 10.1109/BIPOL.1992.274068  
AbstractPlus | Full Text: EDE(276 KB) IEEE CNF

10. PEPPER-a process simulator for VLSI. Mulvaney, B.J.; Richardson, W.B.; Candell, T.L.; Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction Volume 8, Issue 4, April 1989 Page(s):338 - 349  
Digital Object Identifier 10.1109/43.28368  
AbstractPlus | Full Text: EDE(1236 KB) IEEE JNL

11. Locally one-dimensional approach to diffusion process simulation in non-isotropic materials. Mitrovic, S.; Mijalkovic, S.; Stojadinovic, N.; Electronics Letters Volume 31, Issue 20, 28 Sept. 1995 Page(s):1788 - 1789  
AbstractPlus | Full Text: EDE(178 KB) IEEE JNL

12. A gathering simulator: evaluating contamination and gettering processes in silicon. del Camino, C.; Caballero, L.J.; Esteban, R.; Luque, A.; Photovoltaic Energy Conversion, 2003. Proceedings of 3rd World Conference Volume 2, 12-16 May 2003 Page(s):993 - 998 Vol.2  
Digital Object Identifier 10.1109/WPEC.2003.1306078  
AbstractPlus | Full Text: EDE(478 KB) IEEE CNF

13. Atomistic impurity diffusion simulation of shallow junction fabrication process. Hane, M.; Ikezawa, T.; Junction Technology, 2002. JWJT. Extended Abstracts of the Third International 2-3 Dec. 2002 Page(s):75 - 80  
Digital Object Identifier 10.1109/JWJT.2002.1225209  
AbstractPlus | Full Text: EDE(420 KB) IEEE CNF

<http://ieeexplore.ieee.org/search/searchresult.jsp?query1=impurity+diffusion&scope1=met...> 7/21/2005

14. New analytic models and efficient parameter extraction for computational and 2-D ion implantation modeling  
Balasubramanian, G.; Obradovic, B.; Wang, G.; Chen, Y.; Tasch, A.;  
Electron Devices Meeting, 1998. IEDM '98 Technical Digest., International  
6-9 Dec. 1998 Page(s):517 - 520  
Digital Object Identifier: 10.1109/IEDM.1998.746411  
AbstractPlus | Full Text: EDE(340 KB) IEEE CNF

15. Measurement and modelling of arsenic and boron diffusion in oxygen im  
on-insulator (SOI) layers  
Godfrey, D.J.; Chatter, R.; Robinson, A.K.; Augustus, P.D.; Alderman, J.R.; Da  
J.; Herment, P.L.F.;  
SOI/SOI Technology Workshop, 1998. Proceedings., 1998 IEEE  
3-5 Oct. 1998 Page(s):42  
Digital Object Identifier: 10.1109/SOI.1998.95416  
AbstractPlus | Full Text: EDE(68 KB) IEEE CNF



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)[reverse short channel effect model distance](#)[Advanced Search](#)  
[Feedback](#)

Results 11 - 20 of about 696,000 for reverse short channel effect model distance. (0.14 seconds)

**Web**[perj Effect of reverse biased voltage at source and drain on plasma...](#)[File Format: PDF/Adobe Acrobat - View as HTML](#)[... of short-channel effects in fully-depleted double-gate and cylindrical ...](#)[Abstract—We have examined the possible effects of reverse-biased ...](#)[web.mit.edu/~dmisralab/pdf/TED\\_paper.pdf - Similar pages](#)[perj Unique Technique to Suppress Reverse Short Channel Effects in Sub...](#)[File Format: PDF/Adobe Acrobat](#)[decreasing dopant concentration for a short distance into the channel ...](#)[Reverse Short Channel Effect " Journal of Modeling and Simulation of ...](#)[ieeexplore.ieee.org/iel5/9788/308/3701431603.pdf?arnumber=1431603 - Similar pages](#)[perj The EPEL-EKV MOSFET Model Equations for Simulation](#)[File Format: PDF/Adobe Acrobat - View as HTML](#)[channel widths\), reverse short-channel effect \(RSCE\), modeling of substrate](#)[current due to ... and reverse short-channel effects on the threshold voltage. ...](#)[leguwww.epfl.ch/ekv/pdf/ekv\\_v262.pdf - Similar pages](#)[\[ More results from leguwww.epfl.ch \]](#)**Researcher Profile**[28. Associative Memory with Fully Parallel Nearest-Manhattan-Distance ... 67.](#)[Physical Modeling of the Reverse-Short-Channel Effect for Circuit Simulation ...](#)[souan.bur.hiroshima-u.ac.jp/Profiles/0530000193&pbic\\_61.htm - 32k - Jul 20, 2005 - Cached - Similar pages](#)[Design, Modeling, and Simulation in Microelectronics](#)[14.10 Behavioral modeling of short distance optical interconnects. F. Miyeville.](#)[... 11.20 Surface-potential-based model of reverse short channel effect in ...](#)[www.spie.org/web/meetings/programs/MSO/confs/4228.html - 23k - Cached - Similar pages](#)[Intelusoft Newsletter, September 2001, Power Supply Design](#)[Modeling of mobility effects due to vertical and lateral fields, velocity saturation;](#)[Short-channel effects as channel-length modulation \(CLM\). ...](#)[www.intelsoft.com/hlm/m4.htm - 38k - Cached - Similar pages](#)[perj CSE 477. VLSI Systems Design](#)[File Format: Microsoft PowerPoint 97 - View as HTML](#)[the distance between the source and drain - L, the channel width - W ...](#)[Velocity Saturation Effects. Long channel devices ...](#)[bvlc.eecs.berkeley.edu/book/Slides/PanStateCse477%20lectures3.ppt - Similar pages](#)**Appendix 5**[Short channel effects. Deviations from the one-dimensional transistor model as](#)[observed in short channel transistors. Short diode ...](#)[ece-www.colorado.edu/~bart/book/book/appendiglossary.htm - 42k - Cached - Similar pages](#)[MICROELECTRONICS, MICROSYSTEMS AND NANOTECHNOLOGY](#)[... the Reverse Short Channel Effect \(C Tseanis & D Tsoukias\) Noise Modeling of](#)[... High Precision CMOS Euclidean Distance Computing Circuit \(G Fikos & S ...](#)[www.worldscientific.com/nanosc/4825.html - 15k - Cached - Similar pages](#)[perj HQ#2 MOS Physics](#)[File Format: PDF/Adobe Acrobat - View as HTML](#)[Not all devices exhibit this reverse short-channel effect since its existence](#)[... model something as complex as a modern short-channel MOSFET. ...](#)[people.deas.harvard.edu/~jonev/as154/lectures/lecture\\_4/pdfs/MOS\\_review.pdf - Similar pages](#)<http://www.google.com/search?q=reverse+short+channel+effect+model+distance&hl=en&...> 7/21/2005◀ **GOOOOOOOOOOOOgle** ▶  
Result Page: [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [Next](#)[reverse short channel effect model d](#) [Search within results](#) | [Language Tools](#) | [Search Tips](#)[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2005 Google

<http://www.google.com/search?q=reverse+short+channel+effect+model+distance&hl=en&...> 7/21/2005